

Alexandra Ciomek

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Academic Appointments

2021 - **University of Chicago**
Postdoctoral Scholar, Mansueto Institute for Urban Innovation & the Crown
Family School of Social Work, Policy, and Practice

Education

Harvard University

2021 **PhD**, Sociology
Committee: Robert Sampson (chair), Peter Marsden, and Anthony Braga
(Northeastern University)
2017 **MA**, Sociology

University of Pennsylvania

2013 **MS**, Criminology
2013 **BA**, Mathematics, Criminology
Honors: *summa cum laude*; Phi Beta Kappa; Distinction in Criminology

Research Interests

Urban sociology and neighborhoods; social networks; policing, gangs, criminal justice, and
criminology; quantitative methods

Publications

O'Brien, D.T, **Ciomek, A.M.**, & Tucker, R. 2021. "How and why is crime more concentrated in
some neighborhoods than others?" A new dimension to community crime." *Journal of
Quantitative Criminology*. doi: [10.1007/s10940-021-09495-9](https://doi.org/10.1007/s10940-021-09495-9).

Tucker, R., O'Brien, D.T., **Ciomek, A.M.**, Castro, E., Wang, Q. & Philips, N. E. 2021.

“Who 'tweets' where and when, and how does it help understand crime rates at places? Measuring the presence of tourists and commuters in ambient populations.” *Journal of Quantitative Criminology*, 37(2): 333-59. doi: [10.1007/s10940-020-09487-1](https://doi.org/10.1007/s10940-020-09487-1).

Ciomek, A.M., Braga, A.A., & Papachristos, A.V. 2020. “The influence of firearms trafficking on gunshot injuries in a co-offending network.” *Social Science and Medicine*, 259. doi: [10.1016/j.socscimed.2020.113114](https://doi.org/10.1016/j.socscimed.2020.113114).

UNDER REVIEW

O'Brien, D.T. & **Ciomek, A.M.** Whence the action? The persistence and evolution of violent crime at addresses, streets, and neighborhoods.

PUBLISHED DATASETS

Organized by Dataverse, nested within the Boston Area Research Initiative's Boston Data Portal, supported by the Institute for Quantitative Social Science's Dataverse Network

Ciomek, A.; O'Brien, D. T., 2019, “Boston 911 Calls,”
<https://doi.org/10.7910/DVN/XTEJRE>, Harvard Dataverse, (636 total downloads)

O'Brien, D. T.; **Ciomek, A.**, 2016, “Massachusetts Census Indicators Dataverse,”
<https://doi.org/10.7910/DVN/XTEJRE>, Harvard Dataverse, (960 total downloads)

Works in Progress

Ciomek, A. M. “More than Accomplices in Violence? Understanding Ties between Gang Members with Respect to Gang Boundaries.”

Ciomek, A. M. “Gang or Community? Examining the Differences between Police-Defined and Empirically Defined Co-Offending Communities.”

Presentations

“Examining the Differences between Police-Defined and Empirically Defined Co-Offending Groups,” *International Network for Social Network Analysis Sunbelt Conference*, Virtual, 2020

“More than Accomplices in Violence? Understanding Ties between Gang Members with Respect to Gang Boundaries,” *American Society of Criminology Annual Meeting*, San Francisco, CA, 2019

- “More than Accomplices in Violence? Understanding Ties between Gang Members with Respect to Gang Boundaries,” *International Network for Social Network Analysis Sunbelt Conference*, Montreal, Canada, 2019
- “Tied to Guns: Understanding Firearm Access in a Co-Offending Network” (Paper with Anthony Braga and Andrew Papachristos), *American Society of Criminology Annual Meeting*, Atlanta, GA, 2018
- “Examining the Differences between Police-Defined and Empirically Defined Co-Offending Groups,” *Boston Area Research Initiative Spring Conference*, Boston, MA, 2018
- “More than Accomplices in Violence? Understanding Ties between Gang Members with Respect to Gang Boundaries,” *American Society of Criminology Annual Meeting*, Philadelphia, PA, 2017
- “A Social Network Analysis of Boston Gang Members,” *Data for Policy Conference*, London, UK, 2017
- “A Social Network Analysis of Boston Gang Members,” *Boston Area Research Initiative Spring Conference*, Boston, MA, 2017
- “A Social Network Analysis of Boston Gang Members,” *American Society of Criminology Annual Meeting*, New Orleans, LA, 2016
- “A Social Network Analysis of Boston Gang Members,” *Harvard University Urban Social Processes Workshop*, Cambridge, MA, 2016
- “A Social Network Analysis of Boston Gang Members,” *Harvard University Quantitative Methods in Sociology Workshop*, Cambridge, MA, 2016

Fellowships and Grants

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| 2020 | Harvard Graduate Student Council Summer Research Grant |
| 2019 | Harvard University Department of Sociology Travel Grant |
| 2019 | International Network for Social Network Analysis Travel Award |
| 2019 | Harvard Institute for Quantitative Social Science Travel Grant |
| 2018 | Harvard University Department of Sociology Travel Grant |
| 2018 | Taubman Center for State and Local Government Dissertation Fellowship |
| 2018 | Harvard Institute for Quantitative Social Science Research Grant |
| 2017 | Harvard Institute for Quantitative Social Science Travel Grant |
| 2017 | Harvard University Department of Sociology Travel Grant |
| 2016 | Harvard Institute for Quantitative Social Science Travel Grant |
| 2016 | Harvard University Department of Sociology Travel Grant |
| 2015 | Rappaport Institute for Greater Boston Public Policy Summer Fellowship |
| 2015 | Harvard University Department of Sociology Travel Grant |

Awards

- 2016, 2018 Derek Bok Center for Teaching and Learning, Certification of Distinction in Teaching, Harvard University
2012 Phi Beta Kappa

Research Experience

- 2014-2019 Graduate Student Research Fellow for the Boston Area Research Initiative, Harvard University and Northeastern University
2015 Rappaport Institute Summer Fellow at the Boston Regional Intelligence Center

Teaching Experience

Harvard University, *Teaching Fellow*

- Fall 2020: Data & Analysis Instruction, Crime and Order in the American City (*Robert Sampson*)
Fall 2018 - Spring 2019: Sociology Department Pedagogy Fellow
Fall 2018: Sociology Department Teaching Practicum (*Co-taught with a graduate student, supervised by Jason Beckfield*)
Spring 2017, Spring 2018: Law and Society (*Ya-Wen Lei*)
Fall 2016: Reinventing (and Reimagining) Boston: The Changing American City (*Robert Sampson & David Luberoff*)
Spring 2016: Human Trafficking, Slavery, and Abolition in the Modern World (*Orlando Patterson*)
Fall 2015: Reinventing (and Reimagining) Boston: The Changing American City (*Matthew Kaliner & David Luberoff*)

Service

To Harvard University

Graduate Student Co-Organizer, Quantitative Methods in Sociology Workshop (2015-2016)
Member, Graduate Student Organization, Department of Sociology

To the Profession

Reviewer, *American Journal of Sociology*

Additional Information

Skills

Statistical analysis software (R and Stata)

Spatial analysis software (ArcGis)
Visualization software for networks (Gephi)
Polish language (heritage speaker)

Memberships & Affiliations

American Society of Criminology
International Network of Social Network Analysis
Institute of Quantitative Social Science, Harvard University